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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/804,049	03/19/2004	Kuo-Chen Liu		6942

7590 11/15/2005

Mr. Phillip Liu
6980, Whiteoak Dr.
Richmond, BC V7E 4Z9
CANADA

EXAMINER

SHAKERI, HADI

ART UNIT	PAPER NUMBER
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3723

DATE MAILED: 11/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/804,049

Applicant(s)

LIU, KUO-CHEN

Examiner

Hadi Shakeri

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☒ Claim(s) 5 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION***Specification***

1. The disclosure is objected to because of the following informalities: on page 5, slot "26" should be changed to slot "36".

Appropriate correction is required.

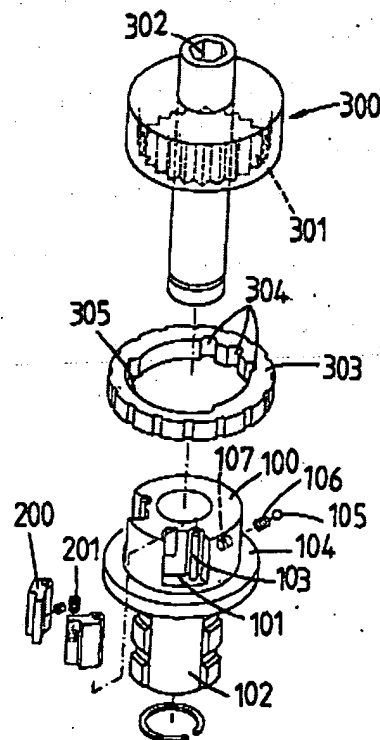
Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (AAPA).

As admitted by Applicant, e.g., pages 1 and 2, and Figures 9 and 10, the ratchet wrench of prior art meets all of the limitations of claim 1, except for the recesses to have holes receiving the shafts of the pawls, since the connection is made by a shaft (103) in the recess to engage a hole (not numbered) in the pawl. It would have been obvious to one having ordinary skill in the art at the time the invention was made to place the hole in the recess engaging a protrusion of the shaft of the pawl, in reducing the manufacturing cost, since it has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167.



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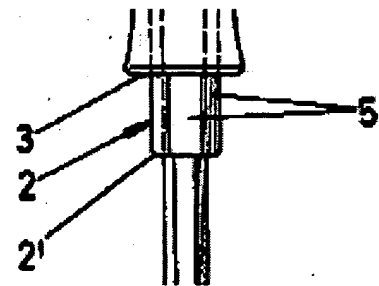
Regarding claim 3, AAPA as modified meets the limitations, i.e., engaging recess (302).

Regarding claim 2, AAPA as modified meets the limitations, except for the engaging top to have a polygonal contour, since it is intended and designed as a socket wrench, however, it would have been obvious to one having ordinary skill in the art at the time the invention was made to make the outer surface polygonal to engage a workpiece internally, e.g., as and Allen wrench, since it has been held that changing shape, dependent on work-piece parameters, involves only routine skill in the art. *In re Stevens*, 101 US PQ 284(CCPA1954).

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA in view of Lieser (4,404,874).

AAPA as modified above meets all of the limitations of claim 2, except for the engaging top to have a polygonal contour.

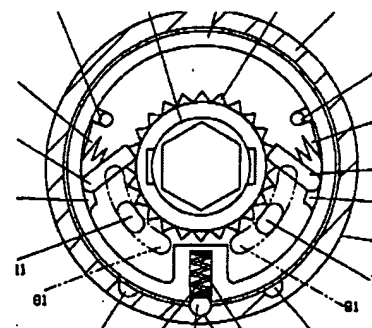
Lieser teaches screwdrivers in which the engaging top section (2) receiving a driving bit is polygonally shaped.



It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of AAPA with polygonally shaped engaging top as taught by Lieser for receiving another wrench in augmenting the transfer of torque.

5. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA in view of Hu (6,260,446).

AAPA as modified above meets all of the limitations of claim 4, except for the protrusion (121) engaging a slot (36) in the ring. Hu teaches screwdrivers in which a post (711) engages



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a slot in a ring. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the invention of AAPA with polygonally shaped engaging top as taught by Hu for steadying the parts during relative movements, with regards to location of parts, it is noted that it would have been obvious to one having ordinary skill in the art at the time the invention was made to place the post on the flange engaging the slot in the ring (303), since it has been held that rearranging parts of an invention involves only routine skill in the art. *In re Japikes*, 86 USPQ 70.

Allowable Subject Matter

6. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. The following is a statement of reasons for the indication of allowable subject matter: band (53) connecting the shafts, which extend over the, top place the claim allowable over prior art.

Conclusion

8. Prior art made of record and not relied upon are considered pertinent to applicant's disclosure. Huang and Shu are cited to show related inventions.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hadi Shakeri whose telephone number is (571) 272-4495. The examiner can normally be reached on Monday-Thursday.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Hadi Shakeri', with a long horizontal flourish extending to the right.

Hadi Shakeri
Primary Examiner
Art Unit 3723

hs
November 11, 2005